

Notice of Allowability

Application No.

09/864,524

Examiner

Sargon N. Nano

Applicant(s)

LAKSONO, INDRA

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/24/06.
2. ☒ The allowed claim(s) is/are 1, 2, 4 - 8, 10 - 12, 14, 16 - 20, 24, 25, 32 - 39, 44 - 57, 59, 60, 62 - 71, 73.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


ARIO ETIENNE

**SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100**

EXAMINER'S AMENDMENT

1. This is responsive to amendment received on March. 4, 2006. Claims 1, 3, 4, 12, 14 – 16 , 18 – 20, 24 – 25, 32, 34, 38, 44 – 49, 56 and 57 – 67 are amended. Claims 9, 13, 21 – 23, 26- 31, 40 – 43 and 72 have been cancelled without prejudice.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bruce Stuckman on May 5, 2006.

The application has been amended as follows:

Claim 1 (currently amended) A multimedia system comprises :

multimedia server operably coupled to receive a plurality of channels of a multimedia source, wherein the multimedia server includes:

tuning module operably coupled to receive the plurality of channels and to select a set of channels from the plurality of channels based on a set of channel select commands that is derived from select requests;

channel mixer operably coupled to mix the set of channels into a stream of channel data ; and

first transceiving module operably coupled to transmit the stream of channel data on to a first communication path and to receive the select requests ;

second transceiving module operably coupled to transmit the stream of channel data via a second communication path;

control module operably coupled to the tuning module, the channel mixer, the first transceiving module and the second transceiving module, wherein the control module interprets the select requests to produce the set of channel select commands, wherein the control module facilitates formatting the stream of channel data for transmission via the first transceiving module and the second transceiving module, and wherein the control module facilitates deformatting of the select requests; and

client module that produces the select requests for at least one of a plurality of clients, wherein the at least one of the plurality of clients is operably coupled to receive at least a portion of the stream of channel data, wherein the client module includes:

selection module operable to produce at least one of the select requests; and

network interface controller operably coupled to transmit the at least one of select requests to the multimedia server and to receive the stream of channel data via the first communication path.

Claim 3 (canceled).

Claim 12 (currently amended) A multimedia system comprises:

multimedia server operably coupled to receive data from a plurality of multimedia sources and to provide a stream of channel data from channels associated with the plurality of multimedia sources based on a set of channel select commands are derived from select requests, wherein the multimedia server comprises:

tuning module operably coupled to receive the channels from the plurality of multimedia sources and to select a set of channels based on the set of channel select commands;

channel mixer operably coupled to mix the set of channels into a stream of channel data ;

transceiving module operably coupled to transmit the stream of channel data on to a communication path and to receive the select requests;

control module operably coupled to the tuning module , the channel mixer, and the transceiving module, the control module including a host processor, external I/O bus, host memory, and memory bridge interoperably coupled to provide server control operations, wherein the control module interprets the select requests to produce the set of channel select commands , wherein the control module facilitates formatting the stream of channel data for transmission via the transceiving module, and wherein the control module facilitates deformatting of the select requests; and

a plurality of client modules operably coupled to the multimedia server to provide the select requests , wherein at least some of the plurality of client modules are operably coupled to a corresponding one of the plurality of clients, and wherein each of the corresponding ones of the plurality of clients displays at least a portion of the stream of channel data, wherein the at least one of the set of channel select commands provided to the multimedia server by an affiliated one of the at least some of the plurality of client modules.

wireline connection, wherein the stream of channel data and the select requests are transceived via the wireline connection utilizing a type of transceiving that includes at least one of : time division multiplexing , frequency division multiplexing , pulse code modulation, amplitude shift keying, phase shift keying, quadrature phase shift keying , quadrature amplitude modulation, carrier sense multi – access (CSMA), CSMA with collision avoidance, and CSMA with collision detection;

transmit wireline connection, wherein the stream of channel data is transmitted via the transmit wireline connection utilizing a type of transmission that includes at least one of : time division multiplexing , frequency division multiplexing , pulse code modulation, amplitude shift keying, phase shift keying, quadrature phase shift keying , quadrature amplitude modulation, carrier sense multi – access (CSMA), CSMA with collision avoidance, and CSMA with collision detection;

receive wireline connection , wherein the select requests are received via the receive wireline connection utilizing a type of reception that includes at least one of : time division multiplexing , frequency division multiplexing , pulse code modulation, amplitude shift keying, phase shift keying, quadrature phase shift keying , quadrature amplitude modulation, carrier sense multi – access (CSMA), CSMA with collision avoidance, and CSMA with collision detection;

radio frequency path, wherein the stream of channel data and the select requests are transceived via the radio frequency path utilizing the type of transceiving;

transmit radio frequency path, wherein the stream channel data is transmitted via the transmit radio frequency path utilizing the type of transmission;

receive radio frequency path wherein the select requests are received via the receive radio frequency path utilizing the type of reception;

infrared path , wherein the stream of channel data and the select requests are transceived via the infrared path utilizing the type of tranceiving;

transmit infrared path, wherein the stream of channel data is transmitted via the transmit infrared path utilizing the type of transmission; and

receive infrared path , wherein the select requests are received via the receive infrared path utilizing the type of reception.

Claim 15 (canceled).

Claim 56 (currently amended) An apparatus for providing multimedia services to a local area network having a first communication path and s second communication path, the apparatus comprises :

processing module; and

memory operably coupled to the processing module, wherein the memory stores operational instructions that cause the processing module to:

receive a plurality of channels from at least one multimedia source;

receive select requests from at least one client module via the communication path;

generate a set of channel select commands from the select requests;
select a set of channels from the plurality of channels based on the set of
channel select commands;
mix the set of channels into a stream of channel data;
transmit the stream of channel data on to the first communication path such that
at least one of a plurality of clients receives at least a portion of the stream of channel
data;

transmit the stream of channel data via the second communication path;
and wireline connection, wherein the stream of channel data and the select requests are
transceived via the wireline connection utilizing a type of transceiving that includes at
least one of: time division multiplexing, frequency division multiplexing, pulse code
modulation, amplitude shift keying, phase shift keying, quadrature phase shift keying,
quadrature amplitude modulation, carrier sense multi – access (CSMA), CSMA with
collision avoidance, and CSMA with collision detection;

transmit wireline connection, wherein the stream of channel data is transmitted
via the transmit wireline connection utilizing a type of transmission that includes at least
one of: time division multiplexing, frequency division multiplexing, pulse code
modulation, amplitude shift keying, phase shift keying, quadrature phase shift keying,
quadrature amplitude modulation, carrier sense multi – access (CSMA), CSMA with
collision avoidance, and CSMA with collision detection;

receive wireline connection, wherein the select requests are received via the
receive wireline connection utilizing a type of reception that includes at least one of:

time division multiplexing, frequency division multiplexing, pulse code modulation, amplitude shift keying, phase shift keying, quadrature phase shift keying, quadrature amplitude modulation, carrier sense multi – access (CSMA), CSMA with collision avoidance, and CSMA with collision detection;

radio frequency path, wherein the stream of channel data and the select requests are transceived via the radio frequency path utilizing the type of tranceiving;

transmit radio frequency path, wherein the stream channel data is transmitted via the transmit radio frequency path utilizing the type of transmission;

receive radio frequency path wherein the select requests are received via the receive radio frequency path utilizing the type of reception;

infrared path, wherein the stream of channel data and the select requests are transceived via the infrared path utilizing the type of tranceiving;

transmit infrared path, wherein the stream of channel data is transmitted via the transmit infrared path utilizing the type of transmission; and

receive infrared path, wherein the select requests are received via the received infrared path utilizing the type of reception.

Claim 58 (canceled).

Claim 4, line 1 delete '3" and insert -- 1 --

Claim 5, line 1, delete '3" and insert -- 1 --

Claim 7, line 1 delete '3" and insert -- 1 --

Claim 59, line 1 , delete "58" and insert --56 --

Claim 60, line 1 , delete "58" and insert --56 --

Claim 61, line 1 , delete "58" and insert --56 --

Claim 62, line 1 , delete "58" and insert --56 --

Claim 63, line 1 , delete "58" and insert --56 --

Claim 64, line 1 , delete "58" and insert --56 --

Claim 65, line 1 , delete "58" and insert --56 --

Claim 66, line 1 , delete "58" and insert --56 --

Claim 67, line 1 , delete "58" and insert --56 --

2. Pursuant to 37 C.F.R. 1.109 and MPEP. 1302. The following is an examiner's reasons for allowance:

The prior art of record fails to teach neither singly nor in combination the claimed limitation "control module operably coupled to the tuning module, the channel mixer, the first transceiving module and the second transceiving module , wherein the control module interprets the select requests to produce the set of channel select commands, wherein the control module facilitates formatting the stream of channel data for transmission via the first transceiving module and the second transceiving module, and wherein the control module facilitates deformatting of the select requests".


3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and , to avoid processing delays , should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sargon N. Nano whose telephone number is (571) 272-4007. The examiner can normally be reached on 8 hour.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sargon Nano
May 5, 2006


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SENIOR PATENT EXAMINER
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